United States Joint Forces Command

oint After Action Review Resource Library (JAAR-RL) Info Brief

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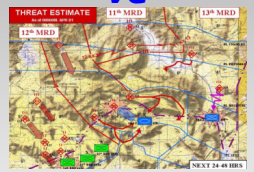
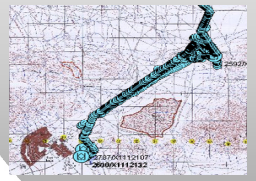
What is JAAR - RL?

Live C4I Systems

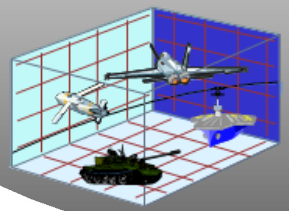
Virtual/Constructive



Range Instrumentation



Service Weapon & Sensor systems



Trainer and Analyst Presentation Module

C4I

COMMS

TENA

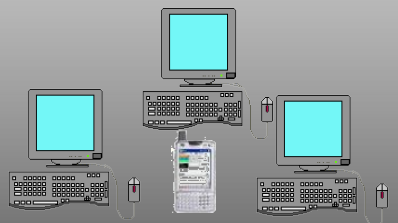
C2

VIDEO

HLA

DIS

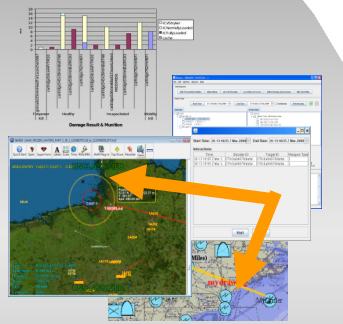
Data Fusion & Analysis Module



DoD Unique Analysis/Collection Systems

User Outputs

- Real Time White Cell
- Measures of Effectiveness
- Measures of Performance
- Ground Truth vs. Perceived truth
- Textual/graphical summaries and reports

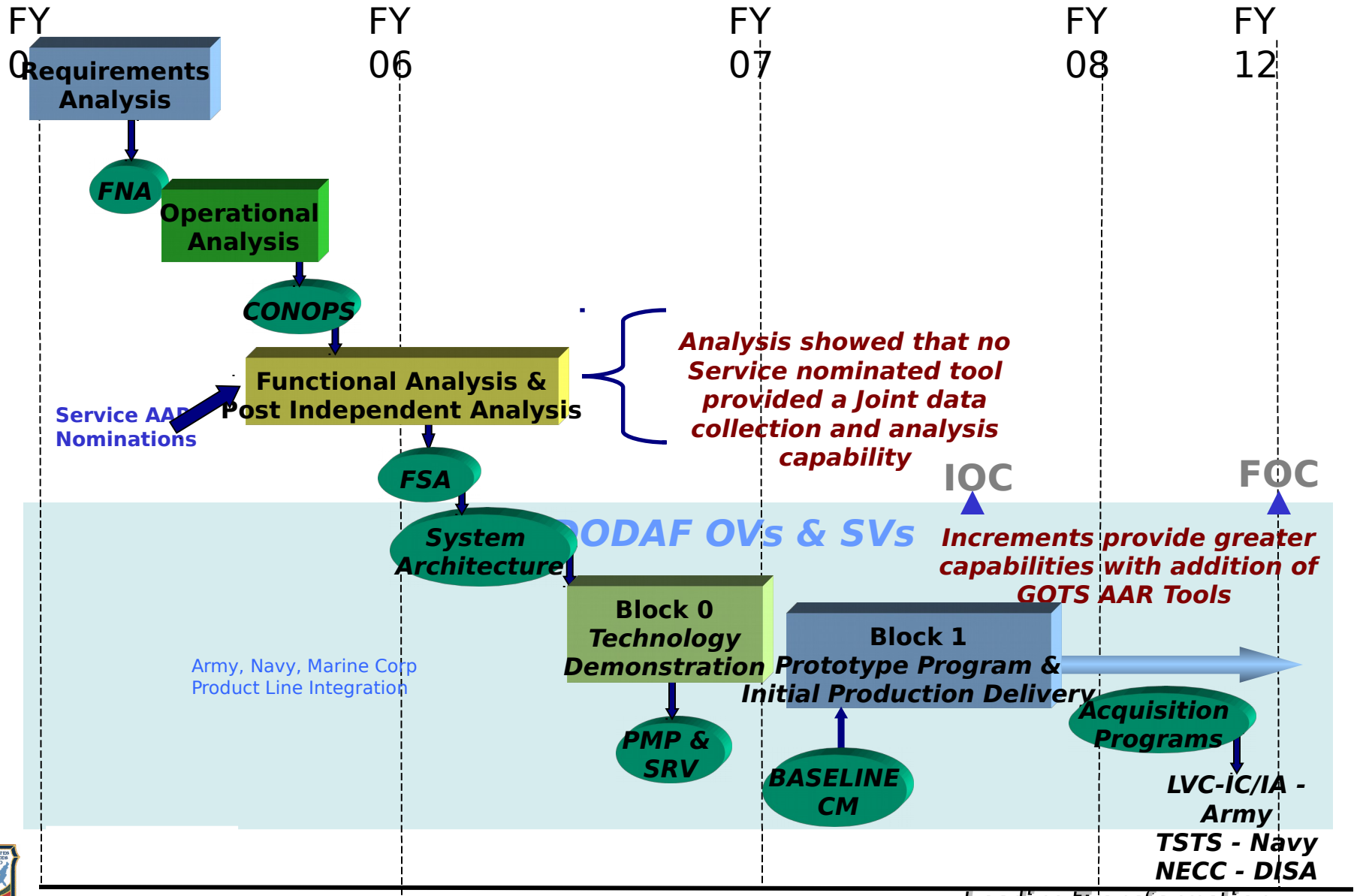


A GOTS integrated product that enables high quality feedback/assessment for the Joint Warfighter

Why ??

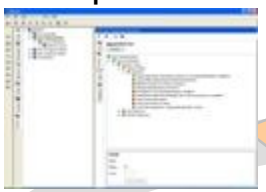
- Identified Needs
  - Training Transformation Implementation Plan (Initial)
    - High Quality Feedback & Ground Truth
  - JNTC Accreditation and Certification Shortfalls (validated)
    - *MWTC, MSTP, MAGTF-TC, MAWTS-1, Virtual Flag, Green Flag East , Blue Flag, WPC/USAFE, Air Wing Fallon, JTFEX, FST-J, USAREUR*
  - Multiple training programs have identified Joint AAR shortfalls
  - Functional needs analysis vetted with stakeholders in FY05

How
(Modified JCIDS Process)



Concept of Operation

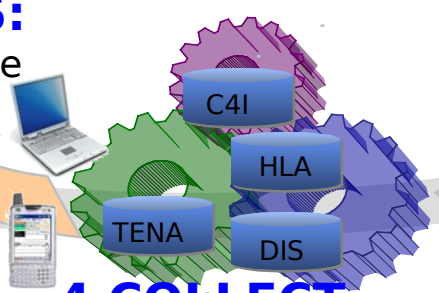
1 PLAN: Setup the training objectives and participants.



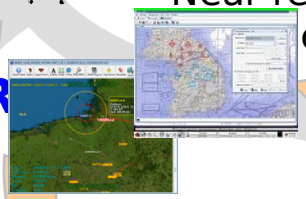
2 CONDUCT: When required, download the subjective measurements to the PDAs/Notebooks for Instructor(s) a[illegible]ysts

3 CONDUCT: Instructor(s) and analysts, input observations

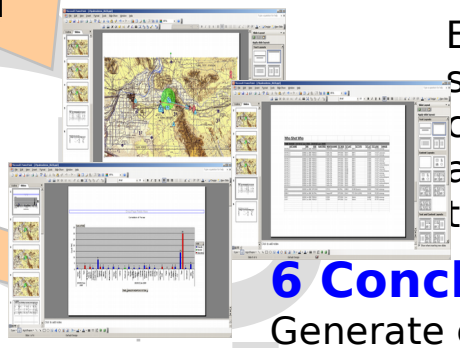
4 COLLECT: Empirical and subjective data collected and associated during the exercise.



5 ASSESS: Near real time [illegible]ck



6 Conclusions: Generate event Reports for the target audience.

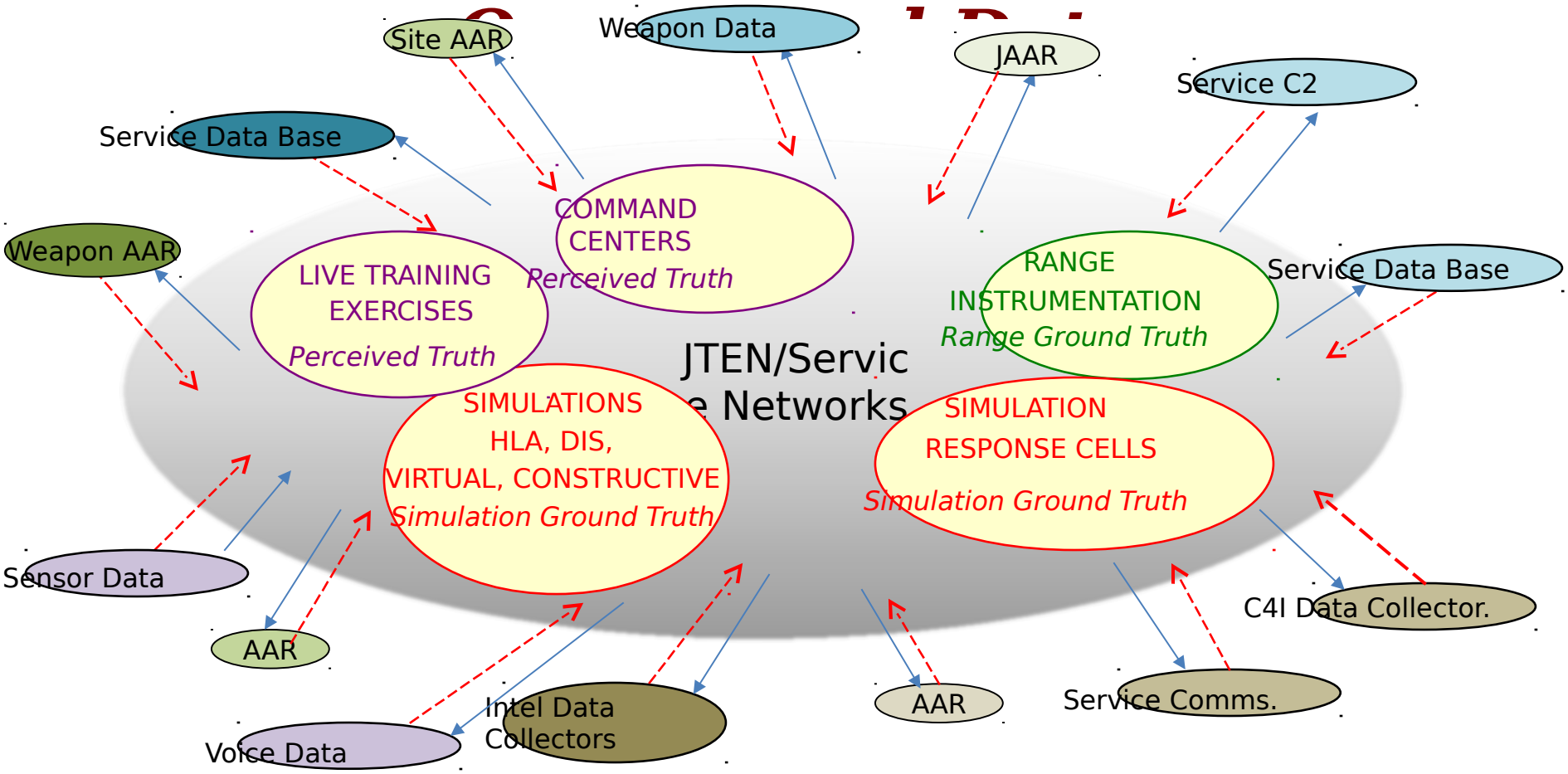


7 Conduct AAR

Reports and conclusions presented to trainin[illegible]

8 Analyze Event: Improve the training process & identify DOTMLPF gaps.

JAAR-RL Enables Collection, Exchange, Analysis and Visualization of Tactical and

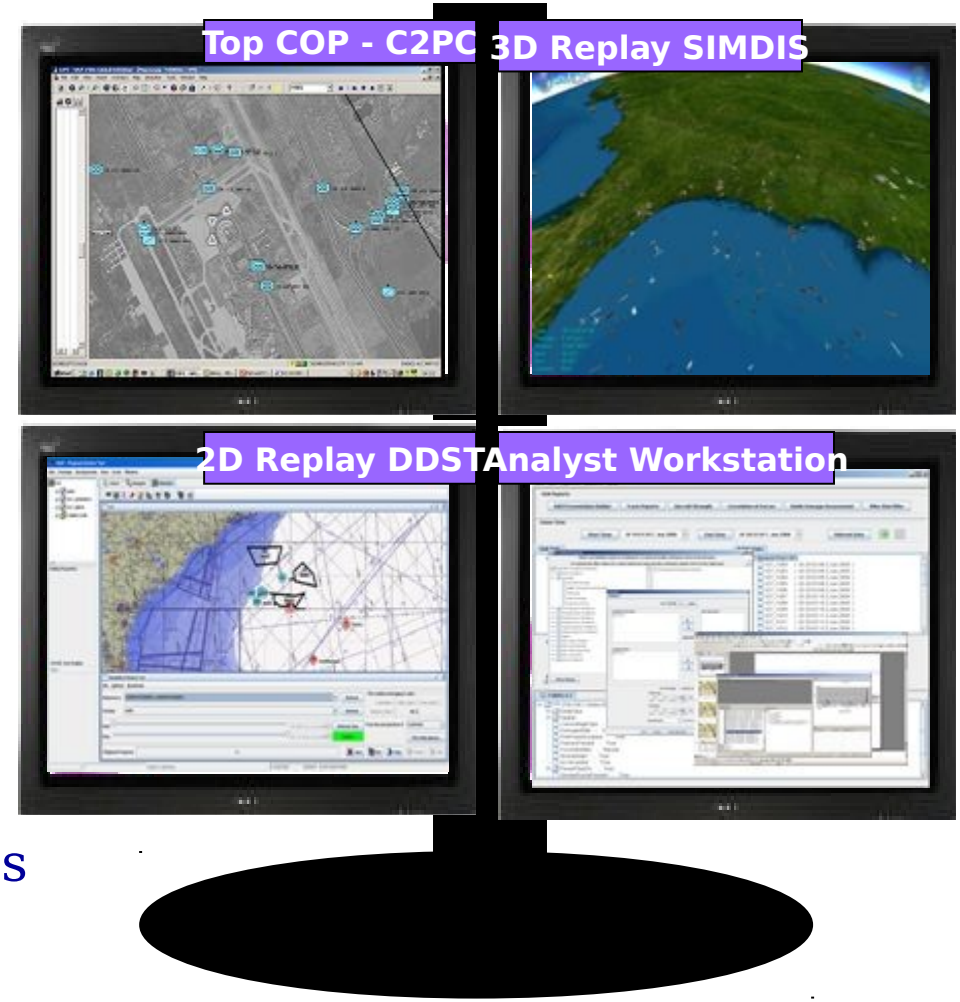


Green = Range Ground Truth Red = Sim Ground Truth Purple = Perceived Truth Black = Analysis & Exercise Control

JAAR-RL Four Views

Integrated Analysis Capability

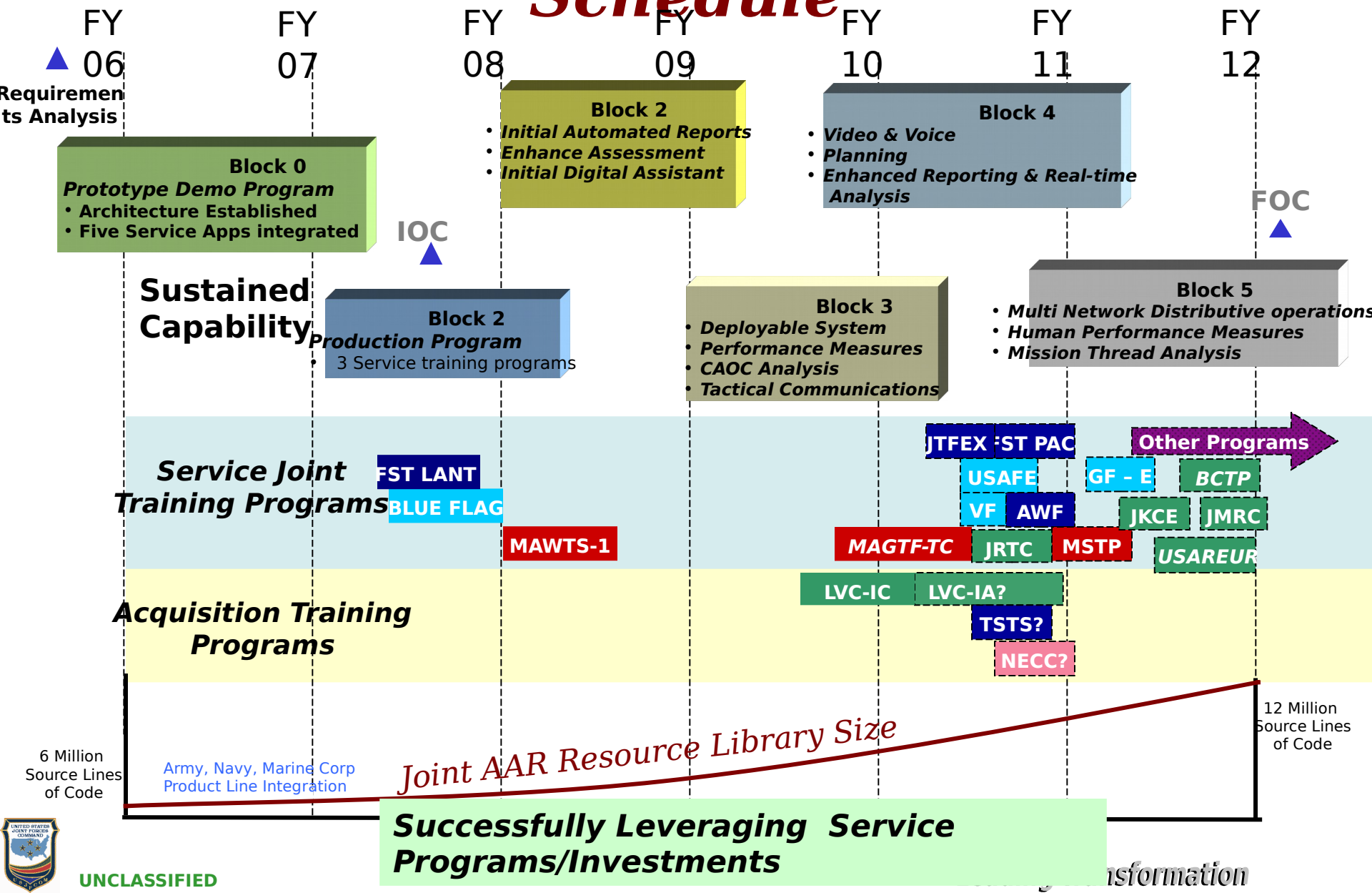
- Top COP
  - C2PC Feed
- 3D Display
  - 3D models
  - Sequential Playback
- Analyst Workstation
  - Report Generation
  - Presentation Manager
- 2D Display
  - MS2525B & NTDS Icons
  - CDADRG map data
  - Sequential Playback



Benefits to Warfighter and Analyst

- *Reuse of existing AAR capabilities*
- *Tactical and Operational Situational Awareness (Real Time and Near Real Time)*
- *Tactical and Operational event recording with 2D and 3D playback*
- *Real Time event adjudication*
- *Pre-defined Hot button and user queried reports*
- *Analyze conclusions & take home packages*
- *Fratricide analysis via automated engagement reporting*
- *Measurements of Effectiveness and Performance*
- *Verifies Warfighter gaps in Tactical Techniques and Procedures (TTP's).*
- *Tool for staff, unit commanders and pilot/aircrew and ground combat team debrief.*
- *Academic environments to study Lessons Learned.*

Development and Deployment Schedule

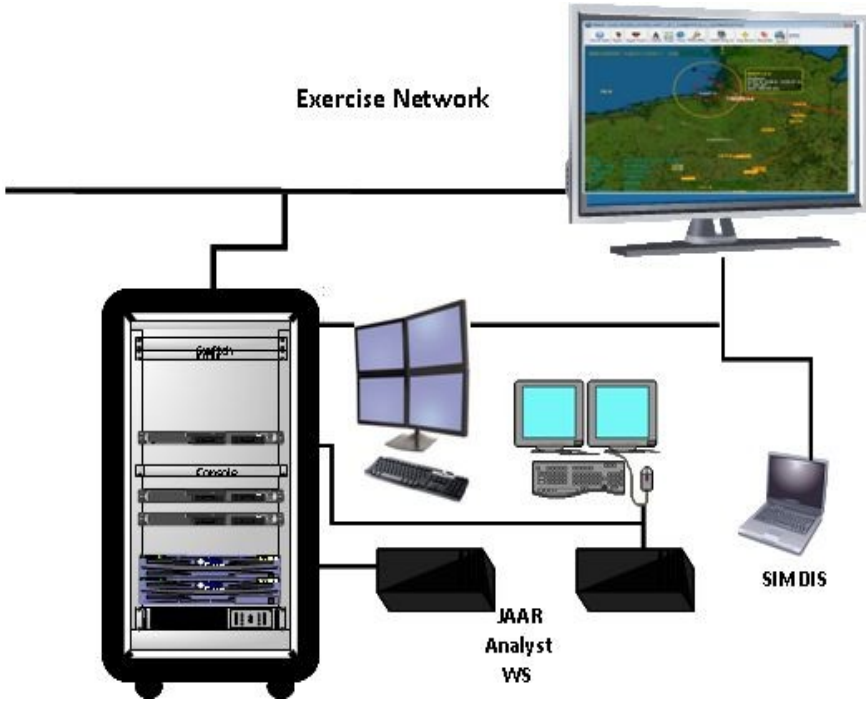


Successfully Leveraging Service Programs/Investments

UNCLASSIFIED

Business Model

- JFCOM J7 funded:
  - GOTS product development
  - Product Installation for JNTC assessed Service Training Programs
  - System software sustainment/upgrades
  - System logistics support
  - Initial on-site training and help desk support
- Customer funded:
  - hardware logistics support after 2 years
  - Event Analyst
- Software and H/W specs have been made available to other Service

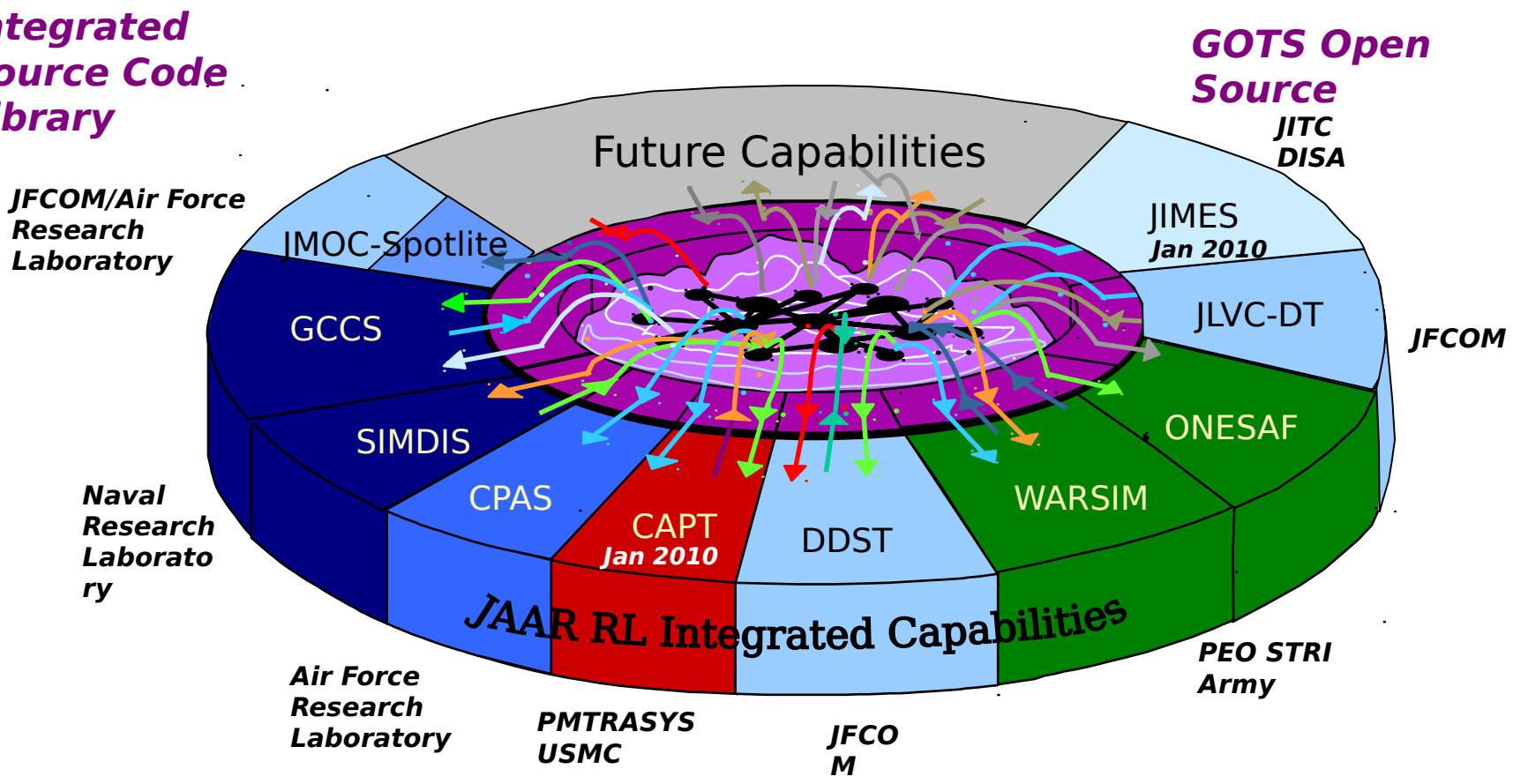


Summary

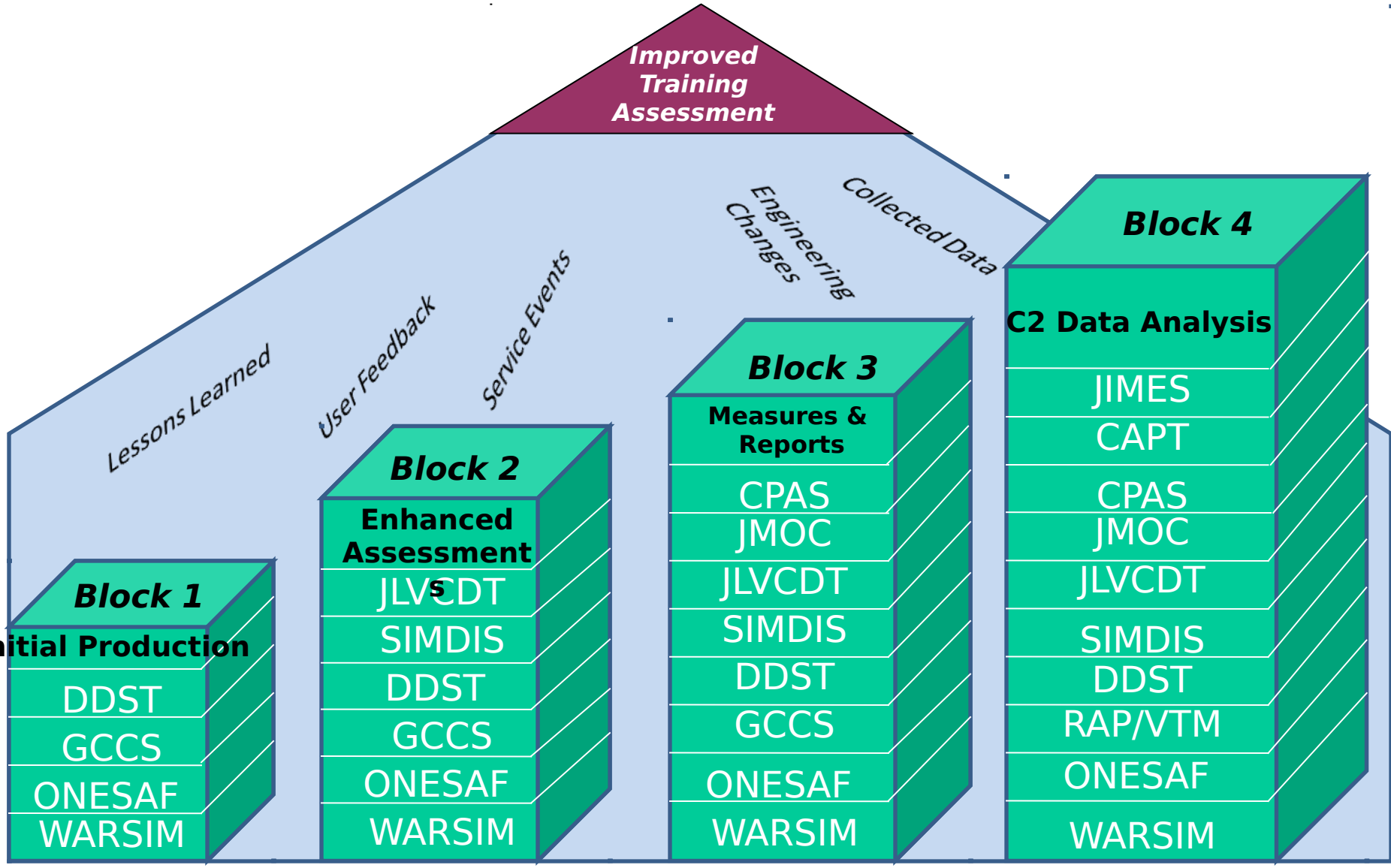
- Provides the Joint Enterprise near real-time/post event capability
  - Currently meets needs (291) identified in FNA
    - 36% (104) completed
    - 26% (76) in development
    - 38% (111) remaining
  - Current fielding of 6 systems
  - Planned fielding of 16 by FY12
- Leverages and integrates existing data collection and AAR capabilities across the Services
- Available for Joint and Service specific analysis
- Available for utilization by emerging training system development programs (Currently being evaluated by LVC-IC\IA & Delivery Planned for AFRL)
- Capturing future product enhancement requirements from customers
- Initial setup and fielding provided

BACKUPS

Resource Library Tool Sets



JAAR – RL CAPABILITIES



Documented Program

- Weekly Engineering Meetings
  - Review Schedule & Status
  - Software Problem Reports
  - Issues
- Configuration Management
  - Maintain all code
  - SW Version control
  - System Configuration Documentation
  - Software Problem Reports
- Documentation
  - User manuals
  - Software Installation procedures
  - Startup/shut down procedures
  - CM documentation
- Program Documents
  - Functional Needs Analysis
  - Functional Solution Analysis
  - System Verification Review Specification
  - Program Management Plan
  - Concept of Operations
- Training
  - Available in Orlano or/and Site
    - System admin
    - User training
- Logistic Support
  - Planning & coordination
  - Help Desk
  - Integration/test
- Hardware
  - HW Spec's
  - HW Configuration
  - HW Maintenance – 18 Months
- Software
  - OS SW Licenses
  - Executables
- Security
  - ATO/SSAA
  - Operate in multiple environments (Unclassified & Secret)
  - JTEN and NCTE